

L Number	Hits	Search Text	DB	Time stamp
1	0	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	IBM_TDB	2003/07/28 07:55
3	1	((bag or bagged or bagging) near10 (sample or sampled or sampling or sampler or specimen)) and ((septum or septumed or septummed or septuming or septumeing) with needle with (elbow or elbowed or elbowing) with (bag or bagged or bagging))	US-PGPUB	2003/07/28 07:35
4	0	US-20030110870-\$.did.	DERWENT	2003/07/28 07:35
5	0	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	EPO	2003/07/28 07:35
6	0	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	JPO	2003/07/28 07:35
7	0	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	DERWENT	2003/07/28 07:37
8	0	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	USOCR	2003/07/28 07:37
9	4	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	USPAT	2003/07/28 07:41
10	1	US-6527754-\$.did.	DERWENT	2003/07/28 07:42
11	1	2000-423241.NRAN.	DERWENT	2003/07/28 07:42
2	5	(bag or bagged or bagging) and (sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and needle and (elbow or elbowed or elbowing)	US-PGPUB	2003/07/28 07:43
12	0	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	IBM_TDB	2003/07/28 07:50
13	3	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	US-PGPUB	2003/07/28 08:14
14	0	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	EPO	2003/07/28 07:53
15	0	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	JPO	2003/07/28 07:53

16	0	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	DERWENT	2003/07/28 07:53
17	0	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	USOCR	2003/07/28 07:53
18	6	(non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly))) and (flow or flowed or flowing) and (sample or sampled or sampling or sampler or specimen) and (penetrable or penetrate or penetrated or penetration or penetrater or penetrator or penetrating or penetrating) and (aseptic or aseptical or aseptically)	USPAT	2003/07/28 07:53
19	0	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) and (aseptic or aseptical or aseptically)	IBM_TDB	2003/07/28 08:01
20	53	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) and (aseptic or aseptical or aseptically)	US-PGPUB	2003/07/28 08:04
21	1	((sample or sampled or sampling or sampler or specimen) with (septum or septumed or septummed or septuming or septumeing)) and ((retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) with ((aseptic or aseptical or aseptically) near5 (sample or sampled or sampling or sampler or specimen)))	US-PGPUB	2003/07/28 08:10
22	0	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) and (aseptic or aseptical or aseptically)	EPO	2003/07/28 08:04
23	0	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) and (aseptic or aseptical or aseptically)	JPO	2003/07/28 08:04
24	1	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofitably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably))) and (aseptic or aseptical or aseptically)	DERWENT	2003/07/28 08:09

25	0	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofittably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably)))) and (aseptic or aseptical or aseptically)	USOCR	2003/07/28 08:09
26	80	(sample or sampled or sampling or sampler or specimen) and (septum or septumed or septummed or septuming or septumeing) and (retrofit or retrofitted or retrofitting or retrofittable or retrofittably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably)))) and (aseptic or aseptical or aseptically)	USPAT	2003/07/28 08:10
27	0	((sample or sampled or sampling or sampler or specimen) with (septum or septumed or septummed or septuming or septumeing)) and ((retrofit or retrofitted or retrofitting or retrofittable or retrofittably or kit or retro-fit or retro-fitted or retro-fittable or retro-fittably or (retro adj (fit or fitted or fitting or fittable or fittably)))) with ((aseptic or aseptical or aseptically) near5 (sample or sampled or sampling or sampler or specimen)))	USPAT	2003/07/28 08:10
28	1	((((non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly)))) near5 (flow or flowed or flowing)) or (aseptic or aseptical or aseptically) or (elbow or elbowed or elbowing)) and 73/863.85.ccls.	US-PGPUB	2003/07/28 08:16
29	0	((((non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly)))) near5 (flow or flowed or flowing)) or (aseptic or aseptical or aseptically) or (elbow or elbowed or elbowing)) and 73/863.85.ccls.	EPO	2003/07/28 08:16
30	0	((((non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly)))) near5 (flow or flowed or flowing)) or (aseptic or aseptical or aseptically) or (elbow or elbowed or elbowing)) and 73/863.85.ccls.	JPO	2003/07/28 08:17
31	1	((((non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly)))) near5 (flow or flowed or flowing)) or (aseptic or aseptical or aseptically) or (elbow or elbowed or elbowing)) and 73/863.85.ccls.	USOCR	2003/07/28 08:17
32	7	((((non-laminar or nonlaminar or non-laminarly or nonlaminarly or (non adj (laminar or laminarly)))) near5 (flow or flowed or flowing)) or (aseptic or aseptical or aseptically) or (elbow or elbowed or elbowing)) and 73/863.85.ccls.	USPAT	2003/07/28 08:18

DERWENT-ACC-NO: 1985-098752

DERWENT-WEEK: 200173

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TITLE: Testing water  
toxicity - by exposing primate cell  
monolayer to sample  
and observing with magnifier

INVENTOR: NOVINSON, T

PATENT-ASSIGNEE: US SEC OF NAVY[USNA]

PRIORITY-DATA: 1984US-0619507 (June 11,  
1984)

PATENT-FAMILY:

PUB-NO	LANGUAGE	PUB-DATE	PAGES	MAIN-IPC
US N6619507 N		January 22, 1985		
N/A		008		N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR
APPL-NO	APPL-DATE
US N6619507N	N/A
1984US-0619507	June 11, 1984

INT-CL (IPC): G01N000/01

ABSTRACTED-PUB-NO: US 6619507A

BASIC-ABSTRACT:

Toxicity is tested by treating primate cells with the sample and observing the effect. A monolayer of cells is kept alive with nutrients until needed for the test. The test water is injected into a sealed test unit by a syringe inserted through a sterile septum, and a magnifier is used for observations.

The cells are bathed with antibiotics and nutrients and placed aseptically on the inside bottom surface of a container, and are e.g. human lung or liver or monkey lung or kidney tissue, with human lung cells preferred. After treatment with the sample, the cells can be stained for clarity of observation, and a control test can be run with pure water so that the patterns of healthy and damaged cells can readily be distinguished.

ADVANTAGE - Direct indication of water safety without elaborate, ambiguous and time-consuming chemical or biological tests, and can be provided as a small portable inexpensive field test kit.

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ABSTRACTED-PUB-NO: US N6619507N

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/2 Dwg.0/2

DERWENT-CLASS: D15 D16 S03

CPI-CODES: D04-A01H;

EPI-CODES: S03-E14B; S03-E14H9;